



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of
ULRICH et al.

Group Art Unit: 1631

Serial No.: 08/882,431

Examiner: Allen, M. **RECEIVED**

Filed: June 25, 1997

AUG 18 2003

FOR: BACTERIAL SUPERANTIGEN VACCINES

TECH CENTER 1600/2900

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April 10, 2003

AMENDMENT

APR 21 2003

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

TECH CENTER 1600/2900

Sir:

Responsive to the Office Action dated December 12, 2002 in connection with the above-referenced application, please enter the following amendments and consider the following remarks.

IN THE CLAIMS:

Please amend claim 1 as follows.

1.. (Five times amended) An isolated and purified superantigen toxin DNA fragment encoding Staphylococcal enterotoxin B (SEB) in which at least one amino acid selected from the group consisting of amino acid positions 40-50, 62-67, 84-89 and 110-120 of SEB, and at least one amino acid of amino acid positions 18-28, 55-65, 86-96, 89-99, and 205-215 of SEB have been altered such that binding of said encoded SEB to the MHC class II receptor and T cell antigen receptor is altered.

Please cancel claim 110 without prejudice or disclaimer.

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04/18/2003 EMAILED 00000004 210380 00062431

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